

JUN 02 2006  
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 INVENTOR: Leon Axel  
 TITLE: METHOD OF USING A MATCHED FILTER FOR  
 DETECTING QRS COMPLEX FROM A PATIENT UNDERGOING  
 MAGNETIC RESONANCE IMAGING  
 Docket No.: 5886/1K435 US1  
 SHEET: 1 OF 13

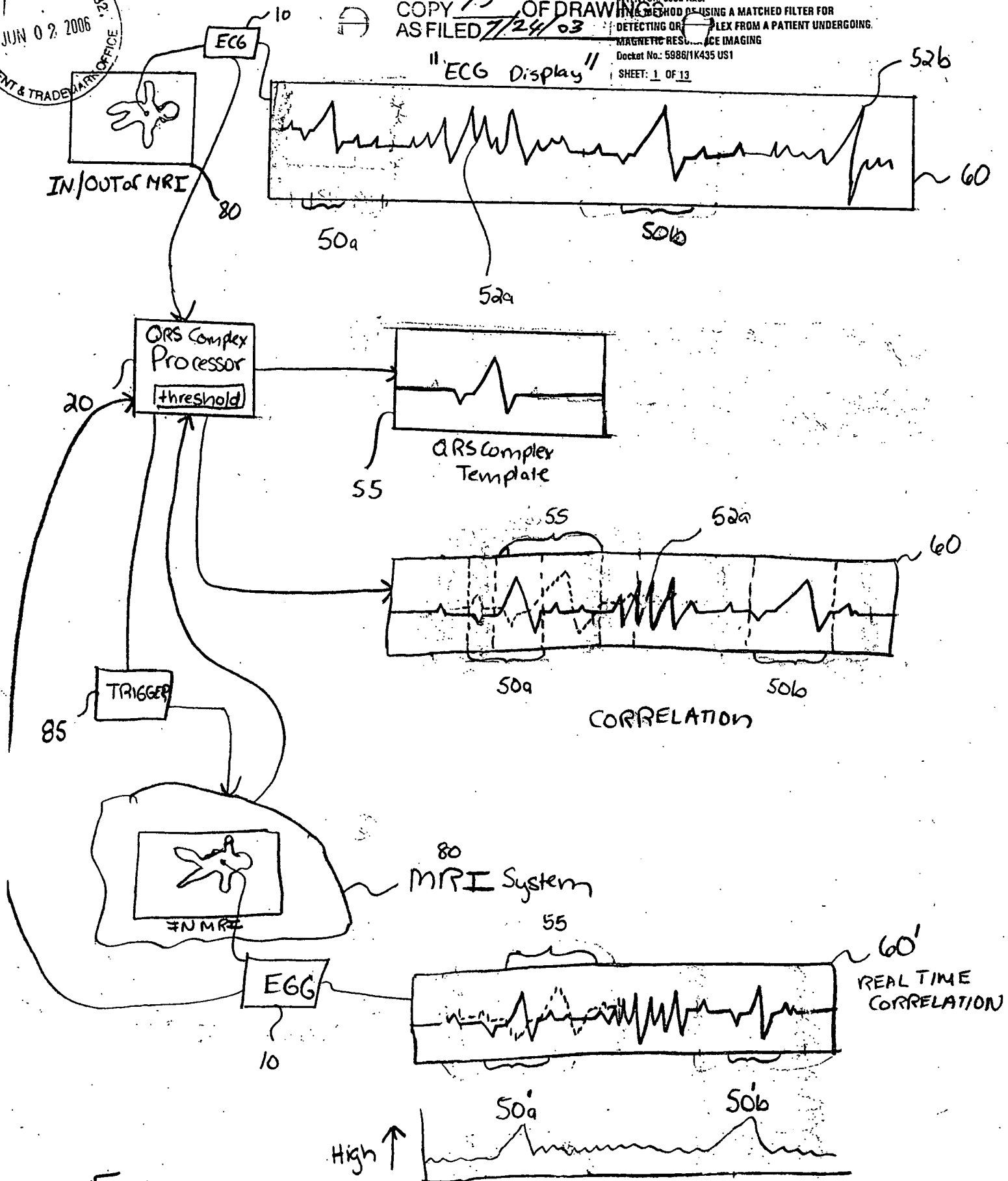


FIG. 1

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Threshold Value  
 (When QRS Complex  
 Template Supercedes  
 these sections of the Real Time  
 Signal)

FIG. 2

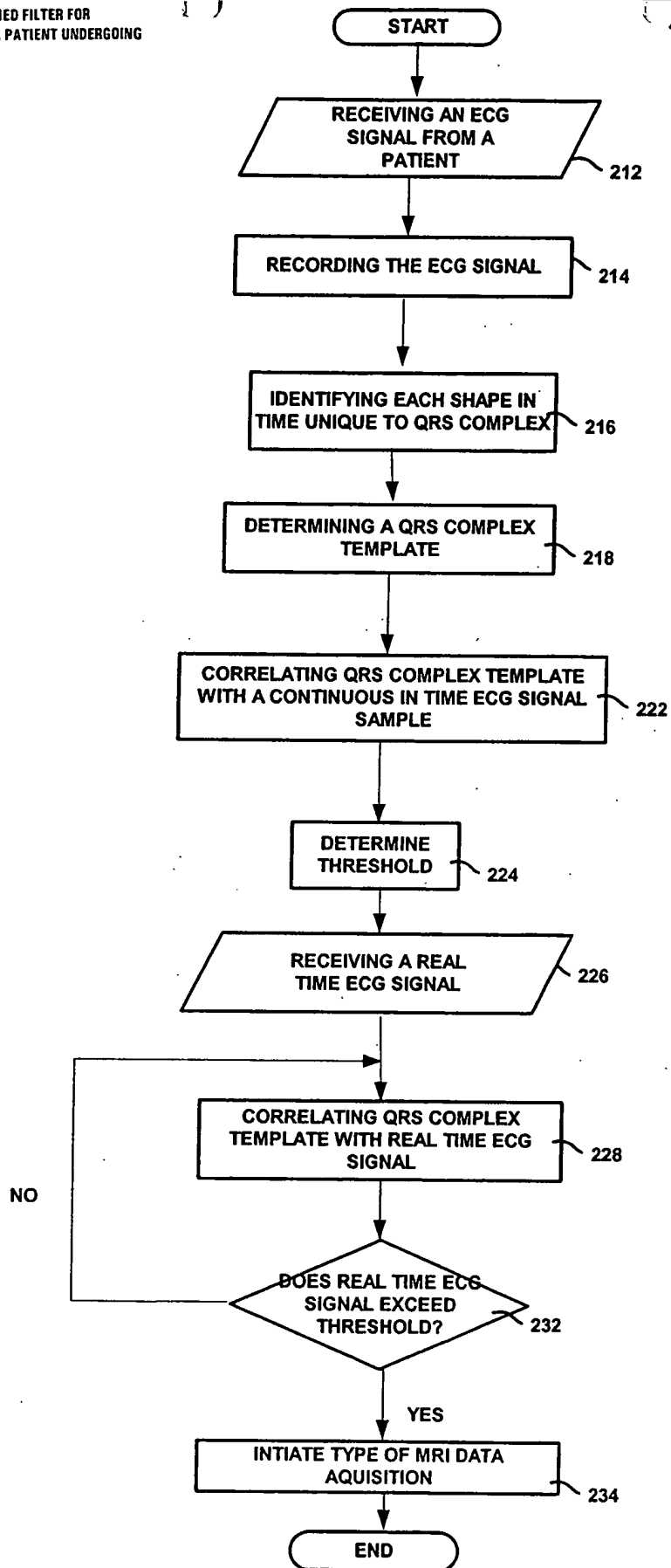


FIG. 3

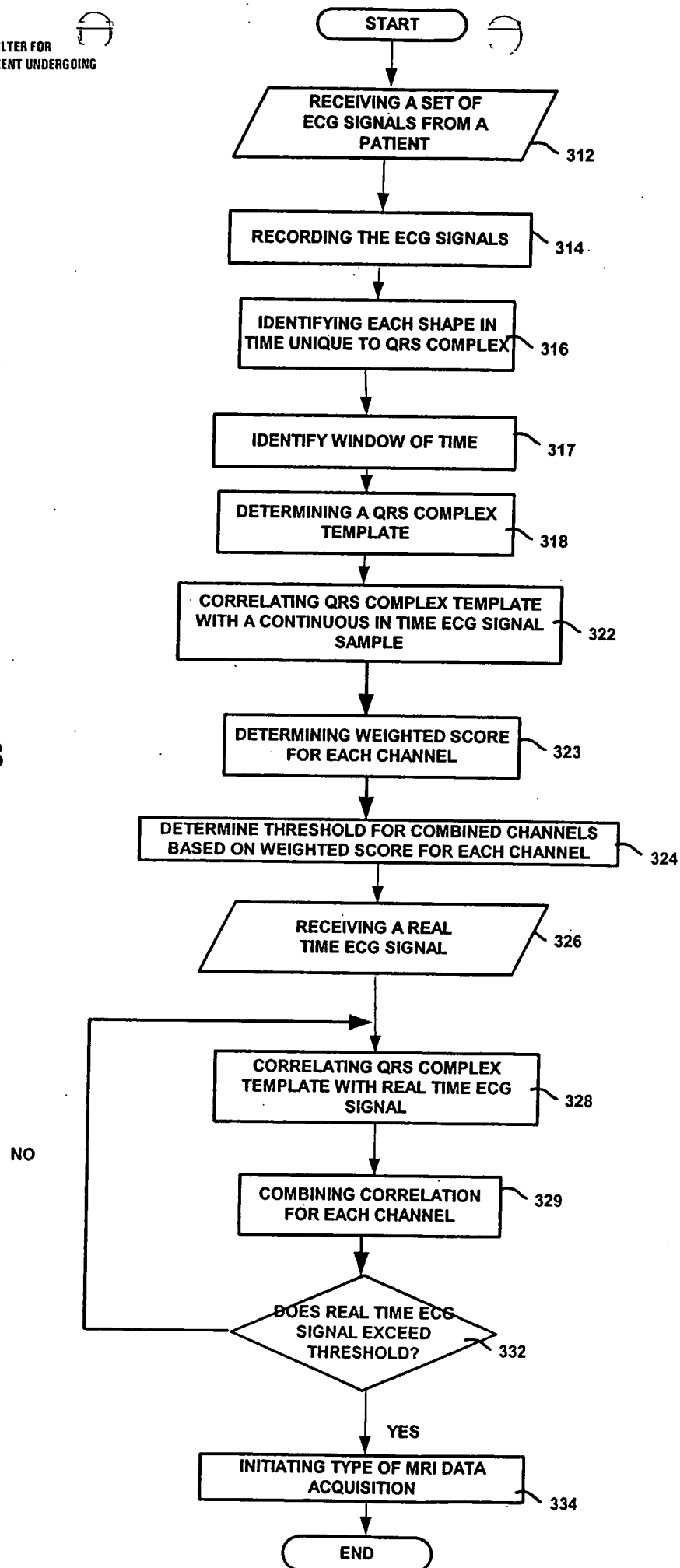
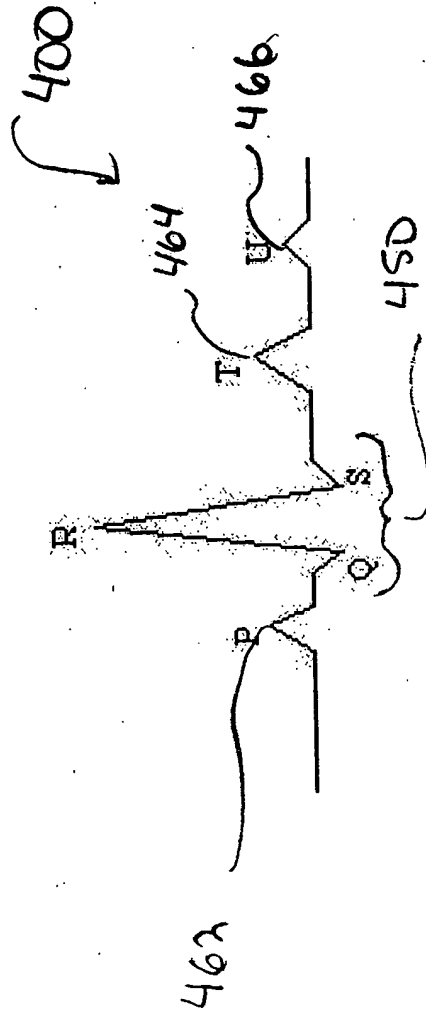


FIG. 4



**Figure 5**

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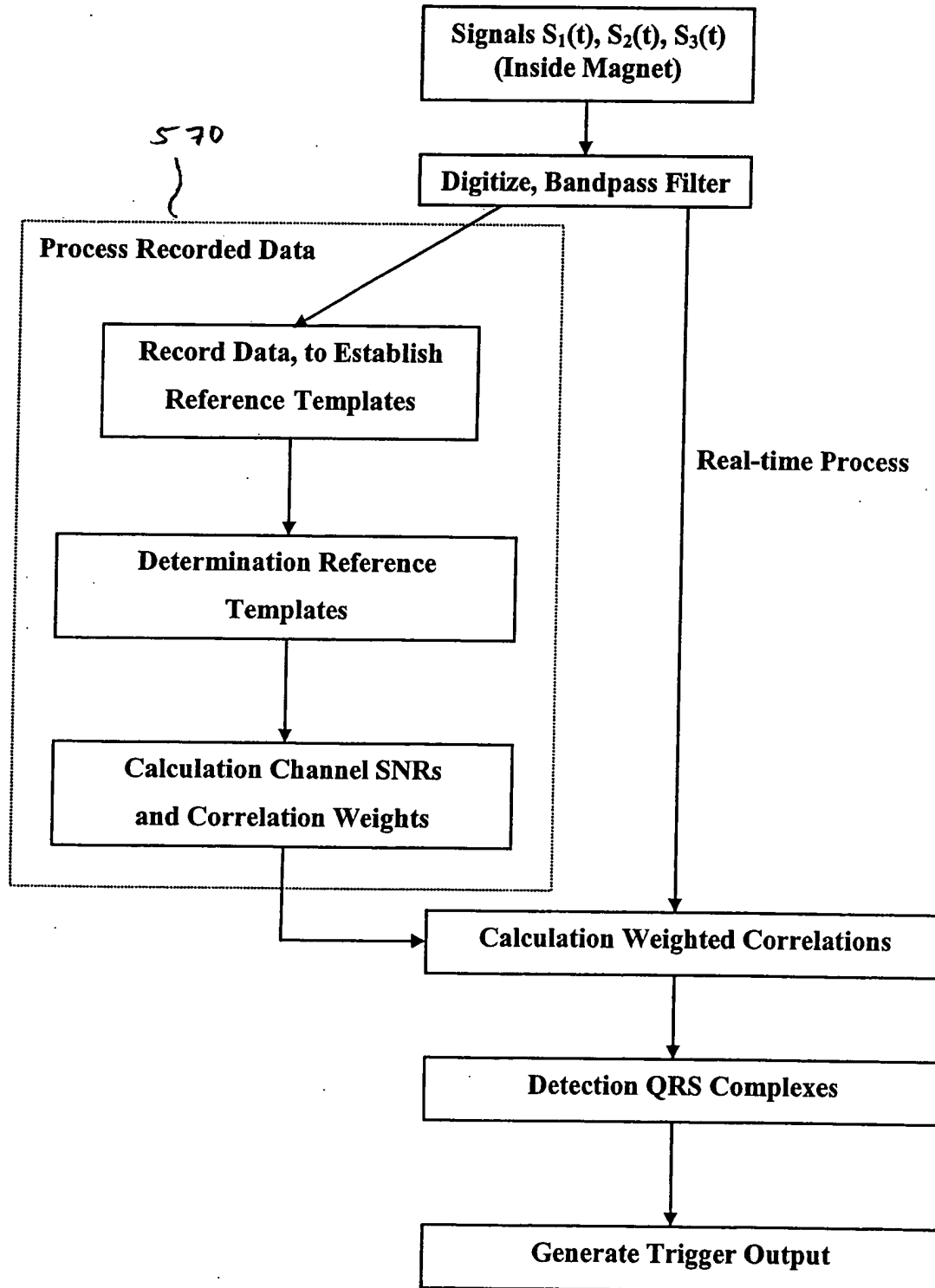
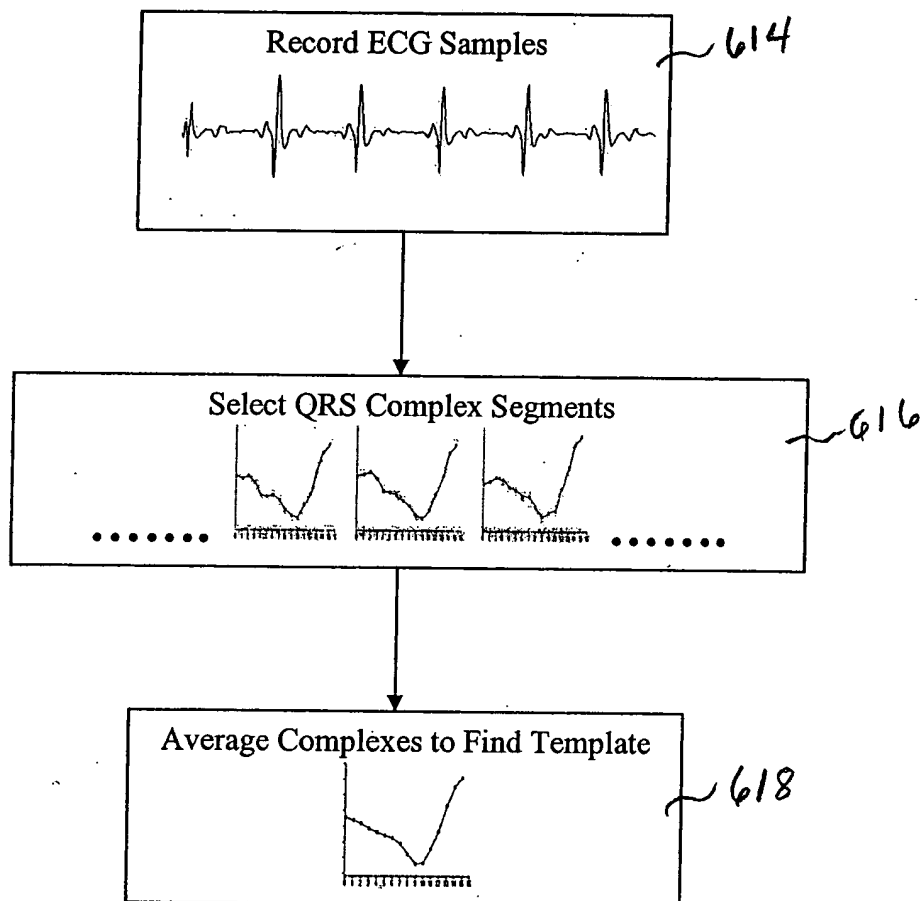


Figure 6



**Figure 7**

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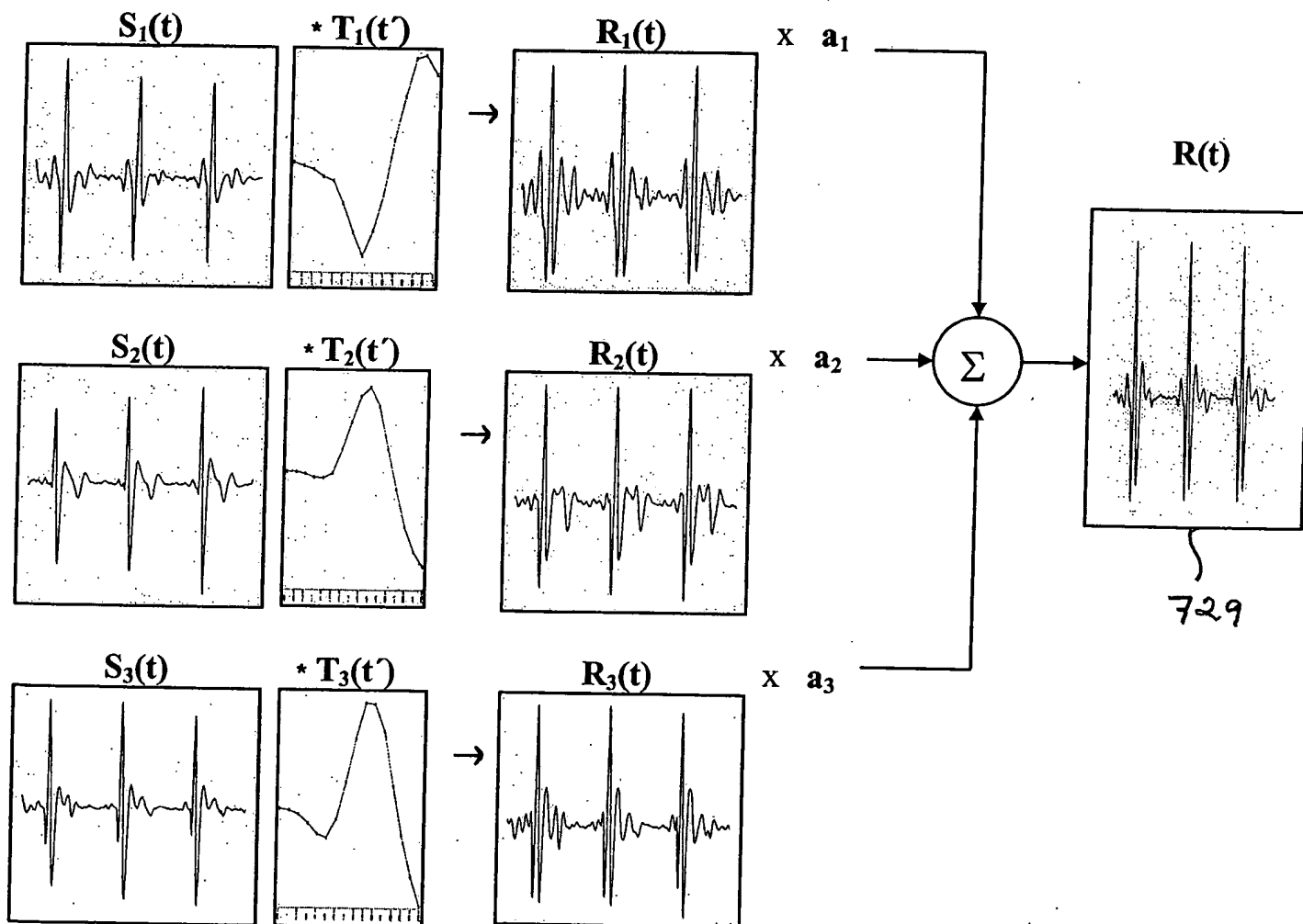


Figure 8A

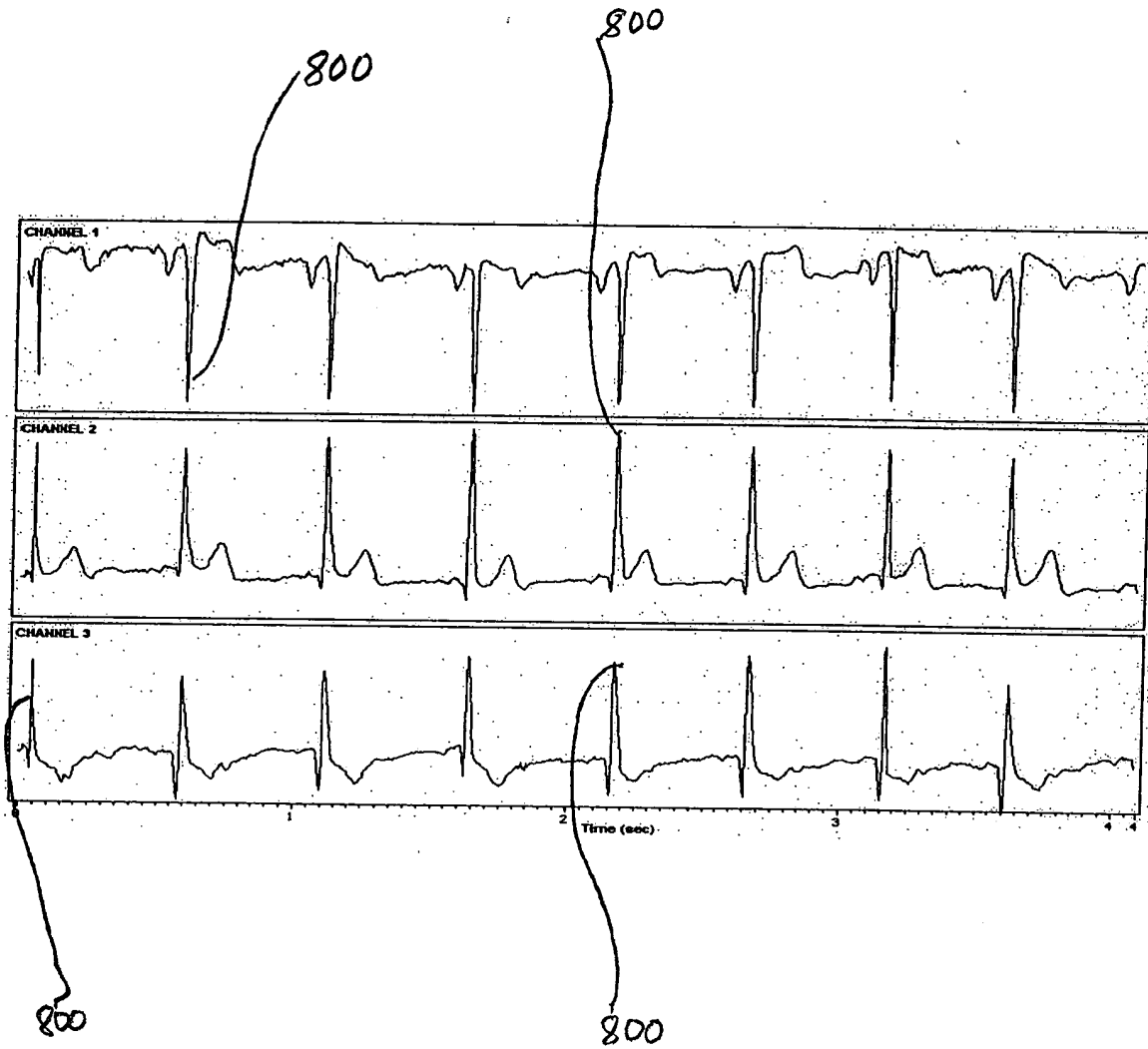
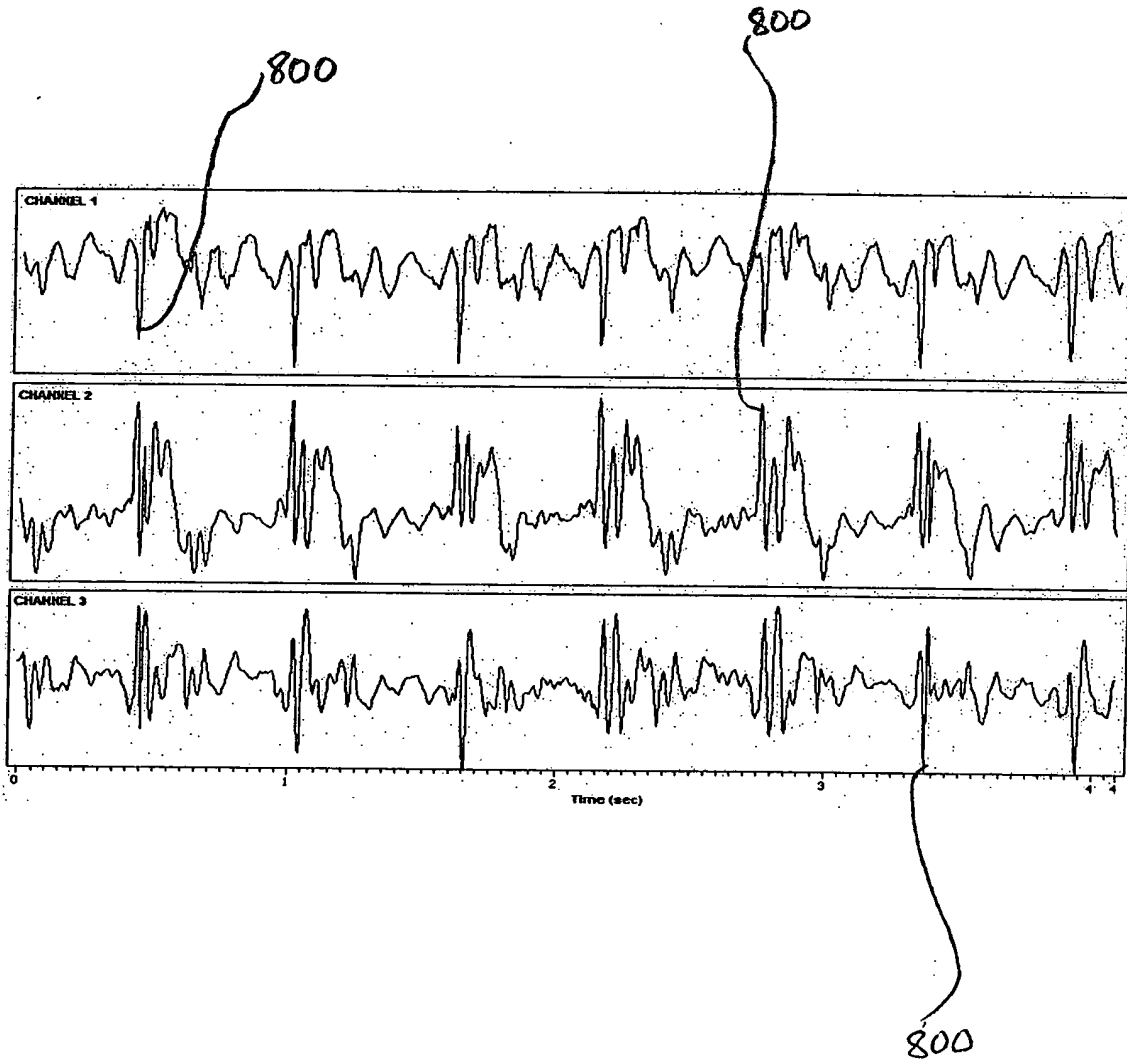




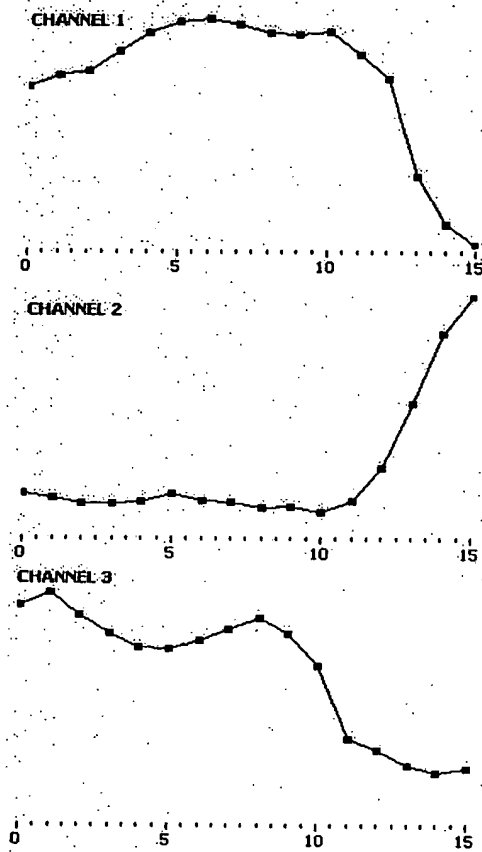
Figure 8B



**Figure 9**

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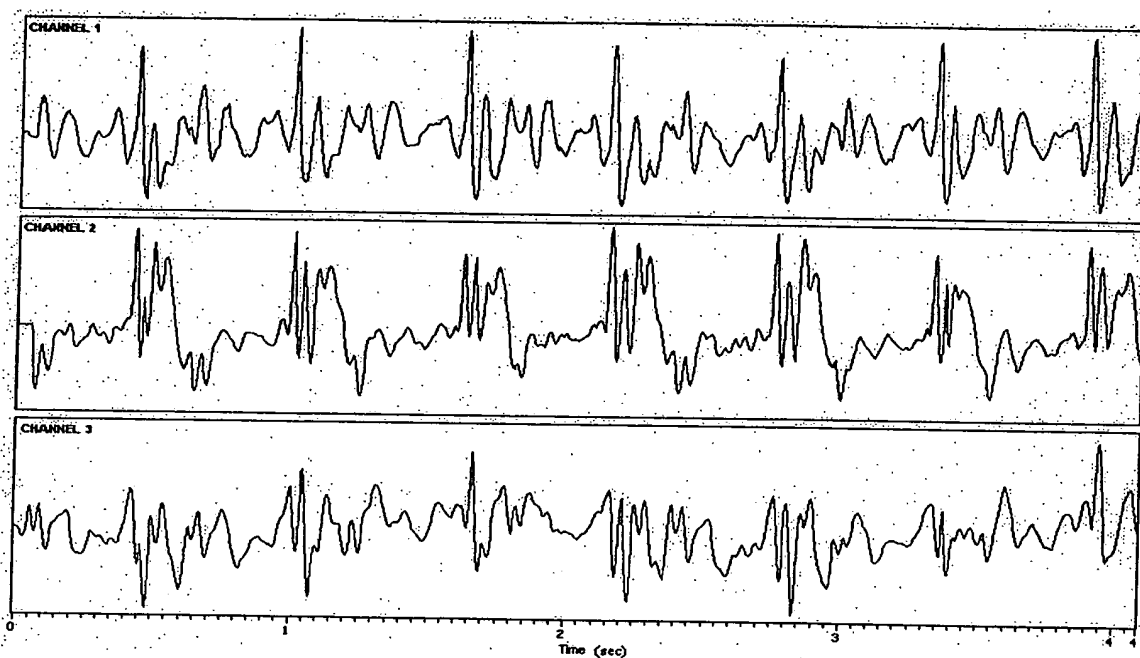
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**Figure 10**

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**Figure 11**

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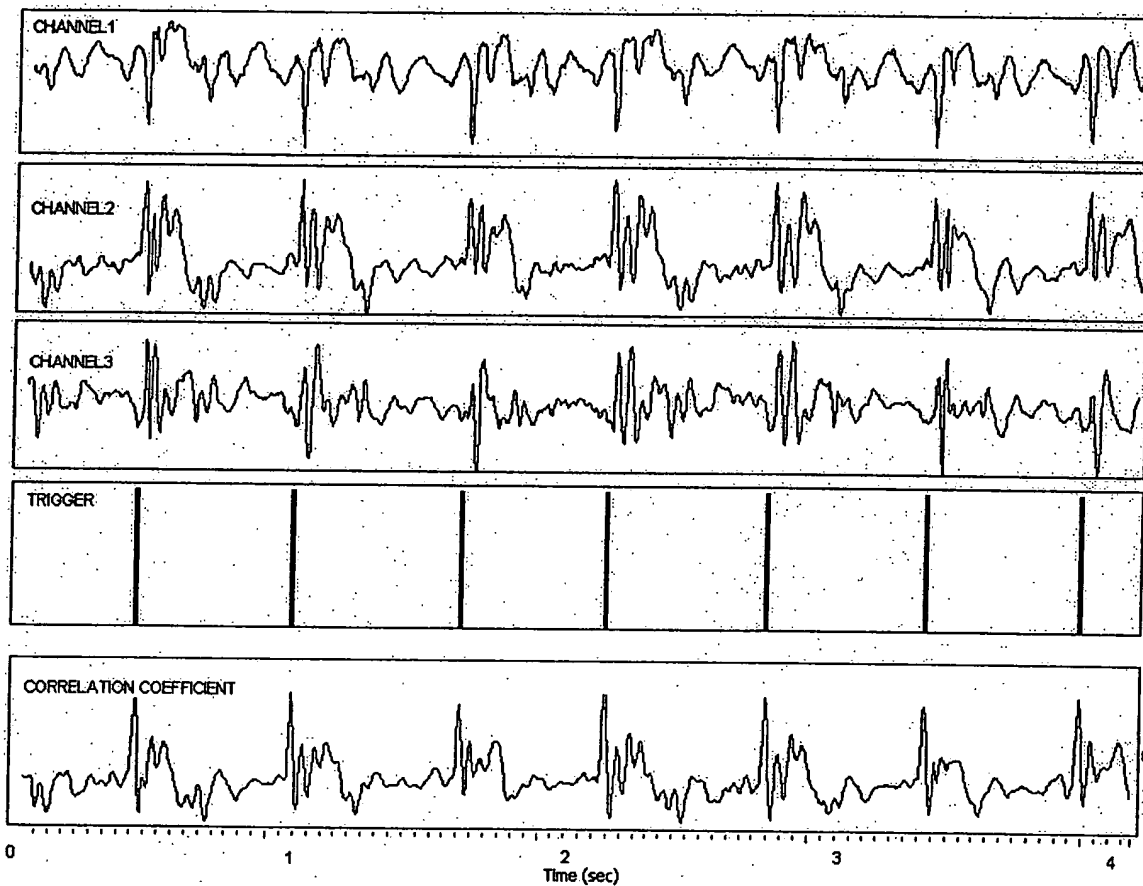
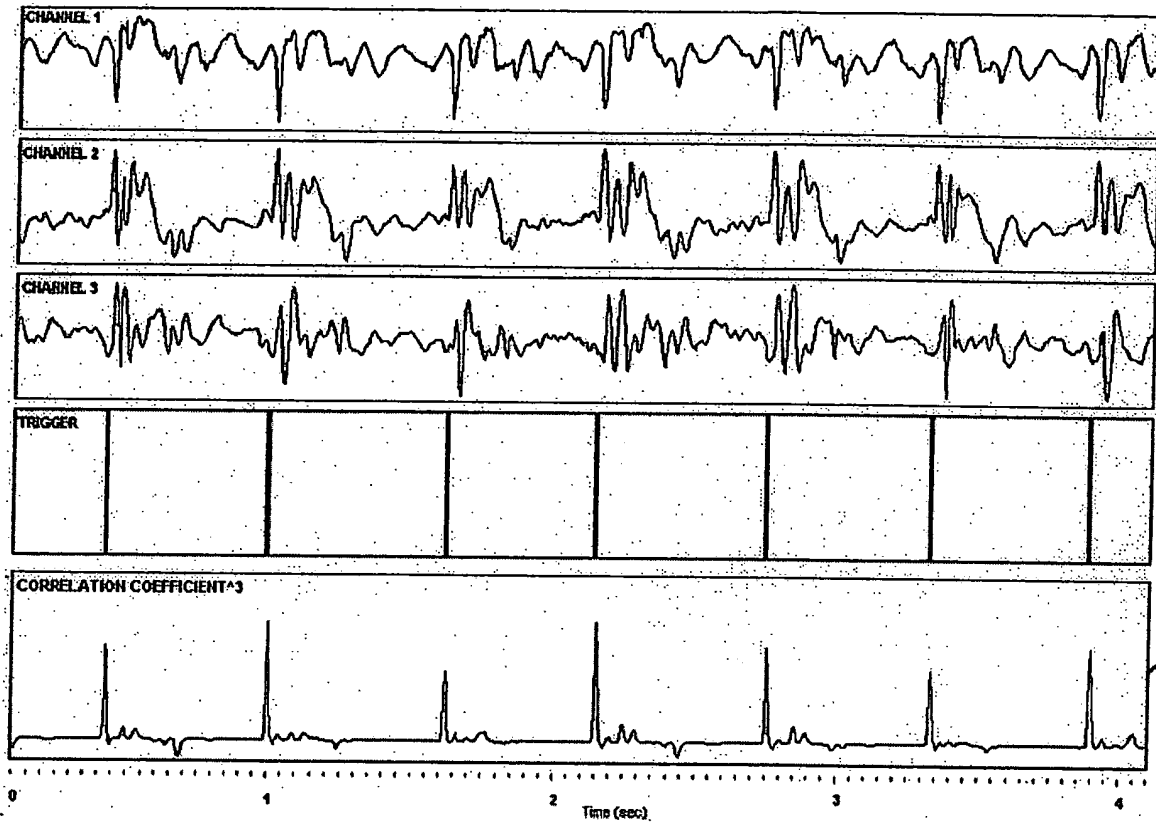


Figure 12

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